



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010454
CERTIFICATION DATE: December 3, 2013
DATE RECERTIFICATION DUE: June 1, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

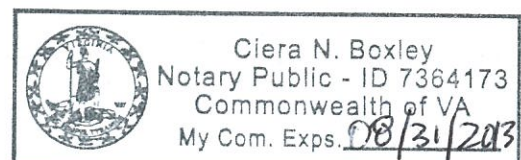
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 11th day of
December, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/3/2013

MMB

NJK

Instrument Serial Number: 010454 **As of 03-Dec-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
03-Dec-13	03-Dec-13	MMB (26417)	CERTIFIED. REPLACED DRY GAS STANDARD.
23-Sep-13	23-Sep-13	TLN (25387)	CERTIFIED.
09-Sep-13	09-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
27-Nov-12	27-Nov-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
26-Oct-12	05-Jun-12	HMS (18910)	REPLACED DRY GAS STANDARD.
27-Aug-12	05-Jun-12	HMS (18910)	REPLACED DRY GAS STANDARD.
05-Jun-12	05-Jun-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
04-May-12	04-May-12	HMS (18910)	CERTIFIED
15-Mar-12	14-Dec-11	HMS (18910)	REPLACED DRY GAS STANDARD.
14-Dec-11	14-Dec-11	HMS (18910)	REPLACED PRINTER RIBBON, CERTIFIED
28-Apr-11	28-Apr-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
15-Apr-11	18-Nov-10	RJP (22428)	REPLACED PRINTER.
25-Mar-11	18-Nov-10	RJP (22428)	REALIGNED PAPER FEED MARGINS.
18-Nov-10	18-Nov-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
13-Sep-10	13-Sep-10	RJP (22428)	CERTIFIED.
02-Jul-09	02-Jul-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
24-Jun-09	24-Jun-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
13-Nov-08	13-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

mmb
Nash

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010454 Worksheet Start Date 12/3/2013

Location Henrico East Regional Jail

Address 17320 New Kent Hwy Barhamsville VA 23011

DFS Technician Michelle Billeter License No. 26417

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	50
Keyboard		Certificates of Analysis	50
Printer		Operator Worksheet	200
UPS		Other:	

Maintenance (if any)

Comments (if any)

Instrument Serial Number	010454	Certification Date	12/3/2013
Instrument Barometer (mm HG)	755	Reference Barometer (mm HG)	757
Reference Barometer(RB)Serial #	009111	RB Calibration Due	5/23/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.248
0.250	0.248	0.240	0.255	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.246
0.002		0.246	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.149	0.144	0.153	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.147
0.001		0.147	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated ☒ Certified ☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.) AG320502-30

☒ Measurement Assurance Check ☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.098
0.100	0.099	0.096	0.102	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

DFS Technician Michelle Bell Date 12/3/13

Issuing Analyst Melissa Kennedy Date 12/10/13

Intox EC/IR-II: Certification

MMB

Department of Forensic Science

Serial Number: 010454 Test Number: 1341
Test Date: 12/03/2013 Test Time: 12:18 EST

MMB

Technician Initials: MMB

Dry Gas Target: 0.248

Lot Number: 06512250I5-02 Exp Date: 04/01/2014

Tank Pressure: 512 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:18
BLK	0.000	12:19
CHK	0.248	12:20
BLK	0.000	12:21
CHK	0.247	12:22
BLK	0.000	12:23
CHK	0.246	12:24
BLK	0.000	12:26

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

MMB
MSA

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010454 Test Number: 1342
Test Date: 12/03/2013 Test Time: 12:27 EST

Technician Initials: MMB

Dry Gas Target: 0.149

Lot Number: 0651215014-04 Exp Date: 04/01/2014

Tank Pressure: 1026 psi Barometric Pressure: 755 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:28
BLK	0.000	12:28
CHK	0.148	12:29
BLK	0.000	12:30
CHK	0.148	12:31
BLK	0.000	12:32
CHK	0.147	12:33
BLK	0.000	12:34

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

mmB

MSM

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010454 Test Number: 1343
Test Date: 12/03/2013 Test Time: 12:36 EST

Technician Initials: MMB

Dry Gas Target: 0.080

Lot Number: 06512080I2-06 Exp Date: 04/01/2014
Tank Pressure: 75 psi Barometric Pressure: 755 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:36
BLK	0.000	12:37
CHK	0.079	12:38
BLK	0.000	12:39
CHK	0.079	12:40
BLK	0.000	12:41
CHK	0.079	12:42
BLK	0.000	12:43

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

MMB

MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010454 Test Number: 1344
Test Date: 12/03/2013 Test Time: 12:45 EST

Technician Initials: MMB

Dry Gas Target: 0.020

Lot Number: 0651202011-07 Exp Date: 04/01/2014
Tank Pressure: 159 psi Barometric Pressure: 754 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:45
BLK	0.000	12:46
CHK	0.019	12:47
BLK	0.000	12:48
CHK	0.019	12:49
BLK	0.000	12:50
CHK	0.019	12:51
BLK	0.000	12:52

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

mmB

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010454 Test Number: 1345

Test Date: 12/03/2013 Test Time: 12:54 EST

Dry Gas Target: 0.298

Lot Number: AG322702-03 Exp Date: 08/15/2015

Tank Pressure: 149 psi Barometric Pressure: 755 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:55
CHK	0.298	12:55
BLK	0.000	12:57
CHK	0.297	12:58
BLK	0.000	12:59
CHK	0.297	13:00

Test Status: *Success*

Calibration CRC: C6E315F0

mmB

NSL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010454 Test Number: 1346

Test Date: 12/03/2013 Test Time: 13:04 EST

Dry Gas Target: 0.099

Lot Number: AG320502-30 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:04
CHK	0.098	13:05
BLK	0.000	13:07
CHK	0.098	13:08
BLK	0.000	13:09
CHK	0.098	13:10

Test Status: *Success*

Calibration CRC: C6E315F0




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

mmb
psh

NAME OF ACCUSED INSTRUMENT , TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY BILLETER, MICHELLE, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 26417	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/03/2013
TEST EQUIPMENT NUMBER 010454		

RESULTS: TIME SAMPLE TAKEN 13:18 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 03 Dec 2013 at 15:22

MMB

MSL

Test Results

Instrument Serial Number 010454

Test # 001347 Subject Test

Test Location 1 Department of

Test Date 03 Dec 2013

Test Location 2 Forensic Science

Test Time 13:12

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name BILLETER

Agency DFS Central Lab

Card Serial Number 126417

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name MICHELLE

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Court Name DFS

Operator's Middle Initial M

License Number 26417

Expiration Date 10/01/2014

Subject's Sex Male

Driver's License Expiration 00/00/0000

End Date 03 Dec 2013

End Time 13:19

Result Time 13:18

Result Date 03 Dec 2013

Result 0.00

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Sample Value Pass

Sample Value 0.000

Sample Value 0.098

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Time 13:12

Sample Time 13:13

Sample Time 13:14

Sample Time 13:15

Sample Time 13:16

Sample Time 13:17

Sample Time 13:18

Sample Time 13:19

Standard Type Dry Gas Std

Standard Lot Number AG320502-30

Tank Pressure 1120

Standard Value 0.099

Standard Expiration Date 07/24/2015

Barometric Pressure 754 mmHg

Blow Sample Number 1

Blow Duration 3.66 sec

Blow Volume 1740 cc

End-of-Blow Time 13:16

Blow Sample Number 2

Blow Duration 3.93 sec

Blow Volume 1756 cc

End-of-Blow Time 13:18

Tamper Evident Stamp b6005fa8

Test Status Success

Test Status Code 0